

Sequence Listing

5
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Tetsuo YOSHIDA
Tamio MIZUKAMI
Akeo SHINKAI
Hideharu ANAZAWA

10 <120> Peptides having a cyclic structure and restoring the activities of P53 protein to mutant P53 protein

<130> 1061

15 <140> PCT/JP98/02148
<141> 1998-5-15

<150> JP97/126113
<151> 1997-05-15

20 <160> 32

<210> 1
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25 <212> PRT
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30 <400> 1

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1 5 10 15

35 <210> 2
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40

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5 Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His His Lys
1 5 10

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<213> Artificial Sequence

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15 <223> Synthetic peptide

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Lys Lys Gly Gln Ser Thr Ser Arg His Lys

1

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1 5 10 15
Cys

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1 5 10 15

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<222> (17)
<223> Xaa represents L-Cysteine amide

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<223> Synthetic peptide

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1 5 10 15
Xaa

<210> 7
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15 <220>
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<223> Xaa represents L-Cysteine amide

20 <220>
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<400> 7

25 Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

<210> 8
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CTAGACAGCC AGACTGCCTT CCGGGTCACT GC

40 <210> 9

32

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<212> DNA
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5 <220>
<223> Other nucleic acid Synthetic DNA

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CATGGCAGTG ACCCGGAAGG CAGTCTGGCT GT 32

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15 <213> Artificial Sequence

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TCGAGAGACA TGCCTAGACA TGCCTG 26

<210> 11
<211> 26

25 <212> DNA
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35 <211> 22
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<400> 12

TCGAGCCCGG GGGTACCGCA TG

22

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<210> 13

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25 <400> 14

TCGAGGGACT TGCCTGGACT TGCCTGTCGA CG

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GTACCGTCGA CAGGCAAGTC CAGGCAAGTC CC

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20 Cys Xaa

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35 <223> Xaa represents N-Dodecyl-L-cysteine amide

<220>
<223> Synthetic peptide

40 <400> 17

Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
1 5 10 15
Xaa

5 <210> 18
<211> 17
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20 <220>
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25 Xaa

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<222> (17)

<223> Xaa represents L-Cysteine amide.

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<223> Synthetic peptide

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Xaa

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5 <220>
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<223> BINDING type is -CONH₂- between -NH₂(ε) in Lys and -COOH in Leu.

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15 1 5 10 15

20 <210> 22
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<223> Xaa represents L-Leucine amide.

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40 <210> 23
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5 <213> Artificial Sequence

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15 <221> BINDING

20 <222> (1)..(8)

25 <223> BINDING type is -CONH₂- between -NH₂(ϵ) in Lys and -COOH in Asp.

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35 <221> SITE

40 <222> (16)

45 <223> Xaa represents L-Leucine amide.

50 <220>

55 <223> Synthetic peptide

60 15

65 <400> 23

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75 1 5 10 15

80 20 <210> 24

85 <211> 16

90 <212> PRT

95 <213> Artificial Sequence

100 25 <220>

105 <221> BINDING

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115 <223> BINDING type is -CONH₂-.

120 30 <220>

125 <221> SITE

130 <222> (15)

135 <223> Xaa represents L-Leucine amide.

140 35 <220>

145 <223> Synthetic peptide

150 <400> 24

155 Leu Lys Ser Lys Lys Gly Asp Ser Thr Ser Arg His Lys Lys Xaa
160 1 5 10 15

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20 <213> Artificial Sequence

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<222> (1), (16)

25 <223> BINDING type is -CH₂S-.

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<222> (1)

30 <223> Xaa represents N-Methlenecarbonyl-L-leucine whose methlene bonds to S in Cysteine amide.

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35 <222> (16)

<223> Xaa represents Cysteine amide whose S bonds to methlene in N-Methlenecarbonyl-L-leucine.

<220>

40 <223> Synthetic peptide

400 26

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5 <210> 27

<211> 17

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<223> Xaa represents L-Cysteine.

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<223> Xaa represents L-Cysteine amide.

25 <220>

<223> Synthetic peptide

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Xaa Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu
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Xaa

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5

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<210> 29

<211> 16

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Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Cys Arg His Lys Lys Xaa
1 5 10 15

35 <210> 30

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25 <223> Xaa represents L-Leucine amide.

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35 <223> Synthetic peptide

40 <400> 30

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50 1

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55 <210> 31

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85 <222> (1)..(17)

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95 <221> SITE

100 <222> (18)

105 <223> Xaa represents L-Glycine n-butyl amide.

110 <220>

115 <223> Synthetic peptide

120 <400> 31

125 Cys Leu Lys Ser Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Leu

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135 Cys Xaa

140 <210> 32

145 <211> 15

150 <212> PRT

155 <213> Artificial Sequence

<220>

<221> BINDING

<222> (3)..(13)

5 <223> BINDING type is -CONH₂- between -COOH (β) in Asp and -NH₂ (ε) in Lys

<220>

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<222> (15)

10 <223> Xaa represents L-Leucine amide.

<220>

<223> Synthetic peptide

15 <400> 32

Leu Lys Asp Lys Lys Gly Gln Ser Thr Ser Arg His Lys Lys Xaa

1

5

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